

## GREENLEE RADIO CHASSIS PUNCHES

# OPERATING INSTRUCTIONS AND PARTS LIST

### Operating Instructions

#### STEP 1

Drill or punch a hole through the metal  $1/16"$  larger than the drive screw.

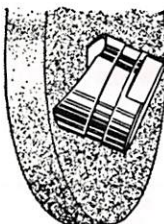
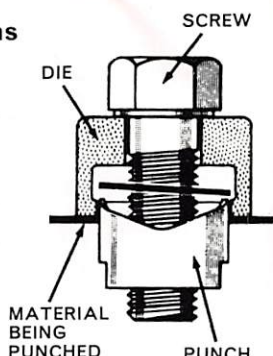
#### STEP 2

Insert drive screw in die, open end of die toward threads. Place drive screw in hole and screw on punch from other side until all parts are tight.

#### STEP 3

Turn drive screw with wrench until metal is cut.

DO NOT OPERATE DRY . . . Lubricate Punch and Threads.



### Sharpening Instructions

To sharpen, hold the punch so that the entire cutting face on one side of the punch is flat against the side of a medium-grit abrasive wheel. Repeat the procedure on the other side. Maintain equal high points on the punch for the most efficient cutting. *Do not grind the outside diameter of the punch.* Use

a small file to sharpen the keyway on the No. 732 and also the flat on the No. 733.

Caution: Don't grind on the side of the wheel unless wheel is specifically designed for this purpose.

To sharpen the die, grind the top surface of the die. *Do not grind or file the inside diameter of the die.*

### Ball-Bearing Drive

For easier, quicker operation of Greenlee No. 730 Round Radio Chassis Punches of  $11/16$ -inch and larger, use the new Greenlee Ball-Bearing Drive. Can be purchased separately for punches you now own, or order with new punches.



### No. 7646 Hydraulic Knockout Punch Driver

A hydraulic unit for driving Greenlee No. 730 Radio Chassis Punches. Develops eleven tons ram pressure. Packed in metal carrying case.



### No. 1804 Ratchet Knockout Punch Driver

Faster than wrench method. Used for driving  $11/16$ " and larger Greenlee No. 730 Round Radio Chassis Punches. Packed in metal carrying case.






### Knockout Punches

For enlarging knockouts and cutting of holes for conduit. Sizes for  $1/2$ " to 5" conduit. Hand or hydraulic operation. Cuts up to 10-gauge metal.

The Timesavers  
**GREENLEE TOOL DIVISION**  
Ex-Cell-O Corporation

2136 12th St., Rockford, IL 61101 U.S.A.

# No. 730 Round Radio Chassis Punch (Cuts through up to 16-gauge metal)

SIZE INCHES	MILLI METER SIZE	PUNCH 	DIE 	SCREW 	SCREW SIZE
1/2"	12.7	500 6996.9	500 4235.1	500 4218.1	1/4"
9/16"	14.3	500 4230.0	500 4229.7	500 4218.1	1/4"
5/8"	15.9	500 4223.8	500 4224.6	500 4218.1	1/4"
11/16"	17.5	500 4228.9	500 4227.0	500 6976.4	3/8"
3/4"	19.1	500 3998.9	500 3999.7	500 6976.4	3/8"
13/16"	20.6	500 4226.2	500 4225.4	500 6976.4	3/8"
7/8"	22.2	500 4006.5	500 4007.3	500 6976.4	3/8"
15/16"	23.8	500 4238.6	500 4237.8	500 3996.2	3/8"
1"	25.4	500 3986.5	500 3987.3	500 3996.2	3/8"
1-1/16"	27.	500 4240.8	500 4242.4	500 3996.2	3/8"
1-1/8"	28.6	500 3990.3	500 3991.1	500 3996.2	3/8"
1-5/32"	29.4	500 3984.9	500 3985.7	500 3996.2	3/8"
1-3/16"	30.2	500 4000.6	500 4001.4	500 3996.2	3/8"
1-7/32"	31.	500 5179.2	500 5180.6	500 4039.1	3/4"
1-1/4"	31.8	500 4002.2	500 4003.0	500 3996.2	3/8"
1-5/16"	33.3	500 6587.4	500 6586.6	500 3996.2	3/8"
1-3/8"	34.9	500 4004.9	500 4005.7	500 3996.2	3/8"
1-1/2"	38.1	500 3988.1	500 6970.5	500 3996.2	3/8"
1-5/8"	41.3	500 4251.3	500 4250.5	500 4039.1	3/4"
1-3/4"	44.5	500 4257.2	500 4256.4	500 4039.1	3/4"
1-7/8"	47.6	500 4248.3	500 4249.1	500 4041.3	3/4"
2"	50.8	500 4232.7	500 4231.9	500 4041.3	3/4"
2-1/8"	54.	500 4245.9	500 4244.0	500 4041.3	3/4"
2-1/4"	57.2	500 4058.8	500 4059.6	500 4041.3	3/4"
2-1/2"	63.5	500 4234.3	500 4233.5	500 4041.3	3/4"
2-25/32"	70.6	500 2445.0	500 2443.4	500 4041.3	3/4"
2-3/4"	69.9	500 4247.5	500 4246.7	DRIVE SCREW 500 4188.6	DRIVE NUT 500 6992.6
3"	76.2	500 4259.9	500 4258.0	500 4188.6 DRIVE SCREW	DRIVE NUT 500 6992.6
3-1/8"	79.4	500 6363.4	500 6362.6	500 4188.6	500 6992.6

# No. 730-X Heavy Duty Radio Chassis Punches (Cuts up to 10-gauge metal)

1-1/8"	28.6	500 4728.0	500 4729.9	500 4039.1	3/4"
1-3/16"	30.2	500 4730.2	500 4731.0	500 4039.1	3/4"
1-1/4"	31.8	500 4732.9	500 4733.7	500 4039.1	3/4"
1-3/8"	34.9	500 4734.5	500 4735.3	500 4039.1	3/4"
1-1/2"	38.1	500 4736.1	500 7044.4	500 4039.1	3/4"





# No. 730-E Millimeter Punches (Cuts through up to 16-gauge metal)

15.2	502 1316.4	502 1317.2	500 6976.4	3/8"
18.6	501 7700.1	501 7703.6	500 6976.4	3/8"
20.4	501 7697.8	501 7699.4	500 6976.4	3/8"
22.5	501 7680.3	501 7683.8	500 6976.4	3/8"
28.3	501 8327.3	501 8326.5	500 4039.1	3/4"
30.5	501 9892.0	501 9893.9	500 3996.2	3/4"
37	501 8331.1	501 8330.3	500 4039.1	3/4"
47	501 7687.0	501 7689.7	500 4041.3	3/4"
60	501 7690.0	501 7692.7	500 4141.3	3/4"
82	501 8905.0	501 8906.9	500 4188.6	500 6992.6
			DRIVE SCREW	DRIVE NUT





# No. 730-E-BB Millimeter Punches Ball Bearing Drive (Cuts through up to 16-gauge metal)

15.2	502 1316.4	502 1317.2	500 4045.6	3/8"
18.6	501 7700.1	501 7703.6	500 4045.6	3/8"
20.4	501 7697.8	501 7699.4	500 4045.6	3/8"
22.5	501 7680.3	501 7683.8	500 4045.6	3/8"
28.3	501 8327.3	501 8326.5	500 4040.5	3/4"
30.5	501 9892.0	501 9893.9	500 3997.0	3/4"
37	501 8331.1	501 8330.3	500 4040.5	3/4"
47	501 7687.0	501 7689.7	500 4042.1	3/4"
60	501 7690.0	501 7692.0	500 4042.1	3/4"
82	501 8905.0	501 8906.9	500 4188.6	500 4187.8
			DRIVE SCREW	DRIVE NUT





# No. 731 Square Radio Chassis Punch (Cuts through up to 16-gauge metal)

SIZE INCHES	MILLI METER SIZE	PUNCH 	DIE 	SCREW 	NUT 
1/2"	12.7	500 5246.2	500 5247.0	500 5248.9	500 5244.6
5/8"	15.9	501 3037.4	501 3036.6	501 3038.2	500 4638.1
3/4"	19.1	501 3040.4	501 3039.0	501 3031.5	500 4638.1
7/8"	22.2	500 5557.7	500 5558.5	500 5559.3	500 4638.1
1"	25.4	501 3042.0	501 3041.2	501 3043.9	500 4638.1
<b>731-R Relay Punch</b>					
.990" x 1.140"	25.1 x 28.9	502 1462.4	502 1463.2	502 1464.0	500 4638.1
1.018" x .861"	25.9 x 21.9	501 5116.9	501 5117.7	501 5118.5	500 4638.1
1 1/4" x 1 3/8"	31.8 x 34.9	501 8856.9	501 8857.7	501 8858.5	500 4638.1

# No. 732 Radio Chassis Key Punch (Cuts through up to 16-gauge metal)

SIZE INCHES	MILLI METER SIZE	PUNCH 	DIE 	SCREW 	NUT 
15/32"	11.9	500 2458.2	500 2457.4	500 2456.6	500 5244.6
15/16"	23.8	500 4647.0	500 4646.2	500 4648.9	500 4638.1
1-11/64"	29.8	500 4761.2	500 4760.4	500 4762.0	500 4638.1
1-17/64"	32.1	500 4650.0	500 4649.7	500 4651.9	500 4638.1
1-21/64"	33.7	500 4764.7	500 4763.9	500 4765.5	500 4638.1

# No. 733 Radio Chassis "D" Punch (Cuts through up to 16-gauge metal)

SIZE INCHES	MILLI METER SIZE	PUNCH 	DIE 	SCREW 	NUT 
1/2"	12.7	500 4681.0	500 4680.2	500 4682.9	500 4683.7
5/8"	15.9	500 5136.9	500 5135.0	500 5137.7	500 4683.7